

**BY ORDER OF THE COMMANDER
ALTUS AIR FORCE BASE**

ALTUS AIR FORCE BASE INSTRUCTION 11-1001

15 NOVEMBER 2011



Flying Operations

**FUNCTIONAL CHECK
FLIGHT/OPERATIONAL CHECK FLIGHT
PROCEDURES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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OPR: 97 OG/OGV

Certified by: 97 OG/CC (Col Ted A.
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This instruction implements Air Force Policy Directive 11-2, Aircraft Rules and Procedures. This instruction outlines responsibilities and establishes procedures for Functional Check Flights (FCF) and Operational Check Flights (OCF). It applies to all operation activity and personnel assigned to Altus AFB to include active duty Air Force personnel, civilian personnel, and Reserve personnel attached to the 97 AMW. See Attachment 1 for Glossary of References and Supporting Information. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF IMT 847, *Recommendation for Change of Publication*; route AF IMT 847s from the field through the appropriate functional's chain of command. **NOTE:** Ensure all records created as a result of the processes prescribed in this publication are maintained in accordance with AFMAN 33363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at: <https://www.my.af.mil/gcss-af61a/afrims/afrims/rims.cfm>.

1. Functional Check Flights.

1.1. Director of Maintenance responsibilities.

1.1.1. Director of Maintenance will determine if an FCF flight is required and will coordinate with the 97 OG FCF program manager (Chief, 97 OG/OGV).

1.2. OG responsibilities.

1.2.1. The Chief, 97 OG Standardization and Evaluation, serves as the OIC of the OG FCF program.

1.2.2. The 97 AMW does not maintain FCF qualified aircrews. If an FCF or High Speed Taxi Check is required, the FCF OIC will coordinate with the appropriate off base agency for a qualified FCF crew to conduct the flight and will brief the OG/CC prior to the FCF.

1.2.3. The FCF pilot in command will contact maintenance quality assurance (QA) personnel for a FCF briefing prior to the flight.

1.2.4. Following the FCF, the pilot in command will debrief maintenance QA personnel. QA will then brief the 97 OG/CC, 97 OG/OGV, and squadron operations supervision about the results of the flight.

2. Operational Check Flights (KC-135 Only).

2.1. Director of Maintenance responsibilities.

2.1.1. Director of Maintenance will determine if an OCF is required and then coordinate with 97 OSS/OSO in accordance with the procedures outlined in the Wing Operations Plan.

2.2. OG responsibilities.

2.2.1. Current Operations will identify the need for an OCF crew to the appropriate squadron scheduling flight and inform both the OG/CC and OG/OGV of the requirement and flight details.

2.2.2. Operations officers will ensure only highly qualified crewmembers conduct the OCF.

2.2.3. Student training will not be conducted on OCFs. EXCEPTION: If the OCF is solely for a KC-135 air-refueling boom, student training may be conducted on the sortie but a qualified 97 AMW boom operator will conduct the OCF boom requirements prior to student training. OCFs should not be scheduled against any check ride sorties.

2.2.4. The OCF pilot in command will contact maintenance QA personnel for an OCF briefing prior to the flight (97 AMW/MXQ, x5754). This briefing will cover what maintenance actions were taken and which items will be checked during the OCF. The pilot in command will brief the OCF crew on the maintenance actions taken, items to be checked, and the maneuvers to be flown during the OCF.

2.2.5. The OCF will be conducted in accordance with the applicable MDS technical orders and operating instructions. Crew members will comply with standard T.O. procedures and checklists in accomplishing the OCF. Crew members will not perform non-standard maneuvers during the OCF in order to check aircraft systems unless specifically requested by MX and coordinated with 97 OG/OGV and the request will not jeopardize safety or contradict T.O. procedures.

2.2.5.1. The 97 OG/CC does not certify Altus crew members in FCF procedures due to the extremely limited number of FCFs required at Altus and the impact on student training. OCF crewmembers are not authorized to accomplish any T.O. 1-C[MDS]-6CF-1 procedures. All maneuvers performed will be IAW normally issued T.O.s and directives. If there are any questions, contact OGV.

2.2.5.2. KC-135 OCFs following major maintenance or removal and replacement of ailerons, elevator, rudder, vertical stabilizer or horizontal stabilizer will be performed

paying special attention to T.O. preflight items that deal with flight controls. There will be two highly qualified FTU instructor pilots in the pilot seats during a flight control OCF. No student training will be scheduled/conducted during a flight control OCF.

2.2.5.3. KC-135 OCFs following major maintenance or removal and replacement of air refueling boom or air refueling boom power control units (PCU) will be performed paying special attention to boom system preflight checklist items and the boom controllability check (step 17 of Boom Operator Air Refueling checklist). There must be one highly qualified FTU instructor pilot in the seat and one highly qualified FTU instructor boom operator at the controls during the boom OCF. The other pilot may be a student. Student boom training is allowed after the OCF is successfully completed and the instructor boom and instructor pilot agree that the boom system is operating normally.

2.2.6. OCFs should normally be conducted in daylight, VMC conditions. The aircraft commander is the final determination on whether reduced visibility conditions will allow a proper check out of all systems involved.

2.2.7. Following the FCF, the pilot in command will debrief maintenance QA personnel. QA will then brief the 97 OG/CC, 97 OG/OGV, and squadron operations supervision about the results of the flight.

ANTHONY B. KRAWIETZ, Colonel, USAF
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Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFPD 11-2, Aircraft Rules and Procedures

AFI 21-101, Aerospace Equipment Maintenance Management

AFMAN 37-123, Management of Records

T.O. 1-1-300, Acceptance/Functional Check Flight and Maintenance Operational Checks

T.O. 00-20-(applicable series), General Aircraft Maintenance Technical Orders

AFI 11-2 (applicable series) V3, Aircraft Operations Procedures

MOI 21-118, Functional Check Flight/Operational Check Flight Program

T.O. 1-C[MWS]-6CF-1

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*, 29 Sep 2009

Abbreviations and Acronyms

RDS—Records Disposition Schedule

FCF—Functional Check Flight

IAW—In Accordance With

MDS—Mission Design Series

OCF—Operational Check Flight

OG—Operations Group

OG—Operations Group Standardization and Evaluation

OIC—Officer in Charge

OSS/OSO—Operations Support Squadron/Current Operations

TO—Technical Order

VMC—Visual Meteorological Conditions

Terms

Visual Meteorological Conditions (VMC)—Meteorological conditions in which visual flight rules apply; expressed in terms of visibility, ceiling height, and aircraft clearance from clouds along the path of flight. When these criteria do not exist, instrument meteorological conditions prevail and instrument flight rules must be complied with.